

FARADAY STRUCTURED WAVEGUIDE

ABSTRACT OF DISCLOSURE

[48] Disclosed is an apparatus and method for transmitting radiation having one or more predetermined properties through a waveguide with the waveguide structure having a mechanism for controllably influencing the one or more predetermined properties. The apparatus includes an optical transport for receiving an electromagnetic wave having a first property; and a transport influencer, operatively coupled to the optical transport, for affecting a second property of the transport, wherein the second property influences the first property of the wave. The method includes receiving an electromagnetic wave having a first property at an optical transport; and affecting a second property of the transport using a transport influencer coupled to the optical transport, wherein the second property influences the first property of the wave.